Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	delaire-b$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:44
L2	436	douglas-d$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:44
L3	95	dunham-d$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:44
L4	28	hoang-v$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:44
L5	22	hobbs-n$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:44
L6	9	lorber-l$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:44
L7	321	mcdonald-s$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	
L8	22	tevis-g$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	
L9	4119102	san or store or stored or storing or storage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	
L10	1727978	raid or disc or disk	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:46

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L11	2074033	g06f$ or t01$ or t03$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:46
L12	261	(2 3 7) and (9 10 11)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:47
L13	229	12 and (9 10)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:49
L14	54	13 and 9 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:49
L15	109	14 1 4 5 6 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 14:49

Today's Date: 06/08/05.

What date would you like to use to limit the search?
Priority Date: 10/5/2001. Other: ——

Name KAMAL DIVECHA

AU 2151 **Examiner #** 80631

Room # 4B49 **Phone** 571-272-5863.

Serial # 09/972,462.

Format for Search Results (Circle One):
(PAPER) DISK EMAIL

Where have you searched so far?
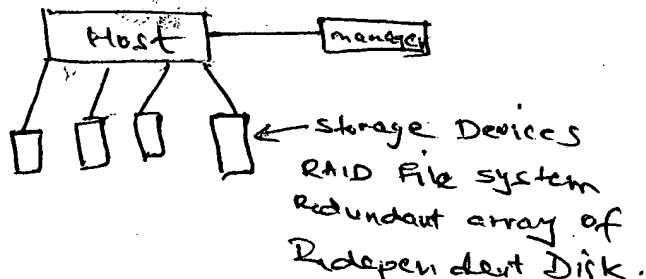(USP) (DWPI) (EPO) JPO ACM (IBM TDB)
IEEE INSPEC SPI Other USOCR, USPAPUB

Is this a "Fast & Focused" Search Request? (Circle One) YES (NO)
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

← Storage Devices RAID File system Redundant array of Independent Disk.

① Storage Devices are associated with lower capacity bound = min. available capacity and upper capacity bound = max. available capacity.

② manager responds to request from Host of adding storage Devices or Disks to the group based on lower and upper capacity.

Keywords: assign or add storage devices or Disks with lower capacity and upper capacity.

STIC Searcher Gregory Damien **Phone** 2 3520

Date picked up 6/17/05 **Date Completed** _____

RECEIVED
JUN 08 2005
BY: ....

XCOPY

```
Set      Items    Description
S1         981    AU=(DELAIRE B? OR DELAIRE, B? OR DUNHAM D? OR DUNHAM, D? OR
                    HOANG V? OR HOANG, V? OR HOBBS N? OR HOBBS, N? OR LORBER L? -
                  OR LORBER, L? OR TEVIS G? OR TEVIS, G?)
S2        3273    AU=(DOUGLAS D? OR DOUGLAS, D? OR MCDONALD S? OR MCDONALD, -
                    S?)
S3           0    BRIAN(2N)DELAIRE OR DUNHAM(2N)DOUG? OR HOANG(2N)VINCE? OR -
                  HOBBS(2N)NANCY OR LORBER(2N)(LOU OR LOUIE OR LOUIS) OR TEVIS(-
                  2N)GREG?
S4          12    (DAN OR DANNY OR DANIEL)(2N)DOUGLAS OR SANDY(2N)MCDONALD
S5     1379776    STORAGE? OR STORE? OR STORING?
S6    12876194    DISC? OR DISK? OR DEVIC? OR UNIT? OR SAN OR RAID
S7          29    S1:S4 AND S5 AND S6
S8          24    S7 AND PY<2002
S9          18    RD (unique items)
? show files
File    2:INSPEC 1969-2005/Jun W1
          (c) 2005 Institution of Electrical Engineers
File    6:NTIS 1964-2005/Jun W1
          (c) 2005 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2005/Jun W1
          (c) 2005 Elsevier Eng. Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
          (c) 2005 Inst for Sci Info
File   35:Dissertation Abs Online 1861-2005/May
          (c) 2005 ProQuest Info&Learning
File   62:SPIN(R) 1975-2005/Apr W1
          (c) 2005 American Institute of Physics
File   65:Inside Conferences 1993-2005/Jun W2
          (c) 2005 BLDSC all rts. reserv.
File   94:JICST-EPlus 1985-2005/Apr W4
          (c)2005 Japan Science and Tech Corp(JST)
File   95:TEME-Technology & Management 1989-2005/May W2
          (c) 2005 FIZ TECHNIK
File   99:Wilson Appl. Sci & Tech Abs 1983-2005/May
          (c) 2005 The HW Wilson Co.
File  111:TGG Natl.Newspaper Index(SM) 1979-2005/Jun 17
          (c) 2005 The Gale Group
File  144:Pascal 1973-2005/Jun W1
          (c) 2005 INIST/CNRS
File  256:TecInfoSource 82-2005/May
          (c) 2005 Info.Sources Inc
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
          (c) 1998 Inst for Sci Info
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Author
Search
NPL.

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S1      1115571    ADD OR ADDS OR ADDED OR ADDING OR ACCUMULAT? OR ASSIGN? OR
                   TACK?()ON OR UPGRAD?
S2      1558922    ENHANC? OR IMPROV? OR INCREAS? OR SUPPLEMENT? OR APPEND? OR
                   INCREMENT? OR ANNEX? OR AUGMENT?
S3      1647945    MORE OR ADDITIONAL? OR FURTHER OR PLURAL? OR SEVERAL? OR M-
                   ULTIP? OR MULTIT?
S4       755148    STORAGE? OR STORE? OR STORING? OR STORAGE?()AREA?()NETWORK?
                   OR MEMOR? OR RANDOM()ACCESS? OR RAM
S5       911411    DISC? ? OR DISK? ? OR RAID OR REDUNDAN?()ARRAY?()INDEPENDE-
                   N? OR UNIT? ? OR HARDDRIV? OR HARD()DRIVE?
S6        55063    S1:S3(5N)S4(5N)S5
S7        24696    S6 AND (LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL? OR LIT-
                   TLE? OR LOWEST OR MINIMUM? OR MINIMAL? OR LESSER? OR LESS)(5N-
                   )(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT? -
                   OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S8        21084    S6 AND (UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT?
                   OR BIG OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?)(5N)(CAP-
                   ACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT? OR LI-
                   MIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S9        14797    S7 AND S8
S10        3180    S6(20N)(LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL? OR LIT-
                   TLE? OR LOWEST OR MINIMUM? OR MINIMAL? OR LESSER? OR LESS)(5N-
                   )(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT? -
                   OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S11        3042    S6(20N)(UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT?
                   OR BIG OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?)(5N)(CAP-
                   ACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT? OR LI-
                   MIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S12        1216    S10 AND S11
S13         924    S12 AND (HOST? ? OR COMPUTER? ? OR DATAPROCESS? OR CENTRAL-
                   PROCESS? OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO)()PROC-
                   ESS?)
S14         681    S12 AND (CPU OR CPUS OR SERVER? ? OR MICROCONTROLLER? OR P-
                   ROCESSOR?)
S15      146189    IC=G06F?
S16         378    S13:S14 AND S15
S17      730204    AD=2002:2005
S18         292    S16 NOT S17
S19         292    IDPAT (sorted in duplicate/non-duplicate order)
? show files
File 348:EUROPEAN PATENTS 1978-2005/Jun W02
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050616,UT=20050609
         (c) 2005 WIPO/Univentio
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PAT LIT

FULL

TEXT

FILES

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Set     Items     Description
S1     1493001     ADD OR ADDS OR ADDED OR ADDING OR ACCUMULAT? OR ASSIGN? OR
                   TACK?()ON OR UPGRAD?
S2     4679388     ENHANC? OR IMPROV? OR INCREAS? OR SUPPLEMENT? OR APPEND? OR
                   INCREMENT? OR ANNEX? OR AUGMENT?
S3     4586146     MORE OR ADDITIONAL? OR FURTHER OR PLURAL? OR SEVERAL? OR M-
                   ULTIP? OR MULTIT?
S4     2405681     STORAGE? OR STORE? OR STORING? OR STORAGE?()AREA?()NETWORK?
                   OR MEMOR? OR RANDOM()ACCESS? OR RAM
S5     3299942     DISC??  OR DISK?? OR RAID OR REDUNDAN?()ARRAY?()INDEPENDE-
                   N? OR UNIT?? OR HARDDRIV? OR HARD()DRIVE?
S6     1360062     HOST?? OR COMPUTER?? OR DATAPROCESS? OR CENTRALPROCESS? -
                   OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO)()PROCESS?
S7      737227     CPU OR CPUS OR SERVER?? OR MICROCONTROLLER? OR PROCESSOR?
S8     7014412     LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL? OR LITTLE? OR -
                   LOWEST OR MINIMUM? OR MINIMAL? OR LESSER? OR LESS
S9     6912741     UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT? OR BIG
                   OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?
S10    4574976     CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT?
                   OR LIMIT? OR BOUND?? OR BOUNDAR? OR BORDER? OR SPACE?
S11    1212570     IC=G06F?
S12    1114287     MC=(T01? OR T03?)
S13     198398     S1:S3 AND S4(10N)S5
S14       1607     S13 AND S8(7N)S10 AND S9(7N)S10
S15        739     S14 AND (S6:S7 OR S11:S12)
S16       1607     S14:S15
S17        744     S16 AND S1:S3(7N)S4:S5
S18        582     S17 AND S8(5N)S10 AND S9(5N)S10
S19        201     S18 AND S6:S7
S20     819101     PR=2002:2005
S21        190     S19 NOT S20
S22        149     S21 AND S11:S12
S23         96     S22 AND S8(3N)S10 AND S9(3N)S10
S24         96     IDPAT (sorted in duplicate/non-duplicate order)
? show files
File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200538
        (c) 2005  Thomson Derwent
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BIBLIOG.
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Set      Items    Description
S1     1493001    ADD OR ADDS OR ADDED OR ADDING OR ACCUMULAT? OR ASSIGN? OR
                  TACK?()ON OR UPGRAD?
S2     4679388    ENHANC? OR IMPROV? OR INCREAS? OR SUPPLEMENT? OR APPEND? OR
                  INCREMENT? OR ANNEX? OR AUGMENT?
S3     4586146    MORE OR ADDITIONAL? OR FURTHER OR PLURAL? OR SEVERAL? OR M-
                  ULTIP? OR MULTIT?
S4     2405681    STORAGE? OR STORE? OR STORING? OR STORAGE?()AREA?()NETWORK?
                  OR MEMOR? OR RANDOM()ACCESS? OR RAM
S5     3299942    DISC? ? OR DISK? ? OR RAID OR REDUNDAN?()ARRAY?()INDEPENDE-
                  N? OR UNIT? ? OR HARDDRIV? OR HARD()DRIVE?
S6     1360062    HOST? ? OR COMPUTER? ? OR DATAPROCESS? OR CENTRALPROCESS? -
                  OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO)()PROCESS?
S7      737227    CPU OR CPUS OR SERVER? ? OR MICROCONTROLLER? OR PROCESSOR?
S8     7014412    LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL? OR LITTLE? OR -
                  LOWEST OR MINIMUM? OR MINIMAL? OR LESSER? OR LESS
S9     6912741    UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT? OR BIG
                  OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?
S10    4574976    CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT?
                  OR LIMIT? OR BOUND? ? OR BOUNDAR? OR BORDER? OR SPACE?
S11    1212570    IC=G06F?
S12    1114287    MC=(T01? OR T03?)
S13     198398    S1:S3 AND S4(10N)S5
S14       1607    S13 AND S8(7N)S10 AND S9(7N)S10
S15        739    S14 AND (S6:S7 OR S11:S12)
S16       1607    S14:S15
S17        744    S16 AND S1:S3(7N)S4:S5
S18        582    S17 AND S8(5N)S10 AND S9(5N)S10
S19        201    S18 AND S6:S7
S20     819101    PR=2002:2005
S21        190    S19 NOT S20
S22        149    S21 AND S11:S12
S23         96    S22 AND S8(3N)S10 AND S9(3N)S10
S24         96    IDPAT (sorted in duplicate/non-duplicate order)
S25         53    S22 NOT S23
S26         53    IDPAT (sorted in duplicate/non-duplicate order)
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SUPPLEMENTAL
SEARCH

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Set      Items      Description
S1     12123975     ADD OR ADDS OR ADDED OR ADDING
S2      8916054     ADDITION OR ACCUMULAT? OR ASSIGN? OR TACK?()ON OR UPGRAD? -
                    OR ENLARG?
S3     19495371     ENHANC? OR IMPROV? OR INCREAS?
S4      1765574     SUPPLEMENT? OR APPEND? OR INCREMENT? OR ANNEX? OR AUGMENT?
S5     13482255     ADDITIONAL? OR PLURAL? OR SEVERAL? OR MULTIP? OR MULTIT?
S6      7893030     STORAGE? OR STORE? OR STORING? OR STORAGE?()AREA?()NETWORK?
                    OR MEMOR? OR RANDOM()ACCESS? OR RAM
S7      1329486     DISC? ? OR DISK? ? OR RAID OR REDUNDAN?()ARRAY?()INDEPENDE-
                    N? OR HARDDRIV? OR HARD()DRIVE?
S8       54027     S1:S5(5N)S6(5N)S7
S9        6625     S8 AND (LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL?)(3N)(C-
                    APACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT? OR -
                    LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S10       3292     S8 AND (LITTLE? OR LOWEST OR MINIMUM? OR MINIMAL? OR LESSE-
                    R? OR LESS)(3N)(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABY-
                    T? OR AMOUNT? OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPA-
                    CE?)
S11       9530     S8 AND (UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT-
                    ?)(3N)(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMO-
                    UNT? OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S12       2397     S8 AND (BIG OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?)(-
                    3N)(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT?
                    OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S13       3753     S9:S10 AND S11:S12
S14       1638     (S5 OR ARRAY?)(5N)(S7 OR STORAGE()DEVICE?) AND S13
S15       1543     (HOST? ? OR COMPUTER? ? OR DATAPROCESS? OR CENTRALPROCESS?
                    OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO)()PROCESS?) AND
                    S14
S16       1218     (CPU OR CPUS OR SERVER? ? OR MICROCONTROLLER? OR PROCESSOR-
                    ?) AND S14
S17       1598     S15:S16
S18        783     S17 AND S7(10N)(HOST? ? OR COMPUTER? ? OR DATAPROCESS? OR -
                    CENTRALPROCESS? OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO-
                    )()PROCESS?)
S19        794     S17 AND S7(10N)(CPU OR CPUS OR SERVER? ? OR MICROCONTROLLE-
                    R? OR PROCESSOR?)
S20       1156     S18:S19
S21         84     S20 AND (RAID OR REDUNDAN?()ARRAY?)/TI
S22         93     S17 AND (RAID OR REDUNDAN?()ARRAY?)/TI
S23         93     S21:S22
S24         77     S23 AND PY<2002
S25         56     RD (unique items)
? show files
File    9:Business & Industry(R) Jul/1994-2005/Jun 20
            (c) 2005  The Gale Group
File   13:BAMP 2005/Jun W2
            (c) 2005  The Gale Group
File   15:ABI/Inform(R) 1971-2005/Jun 21
            (c) 2005 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2005/Jun 21
            (c) 2005 The Gale Group
File   20:Dialog Global Reporter 1997-2005/Jun 21
            (c) 2005 The Dialog Corp.
File   47:Gale Group Magazine DB(TM) 1959-2005/Jun 21
            (c) 2005 The Gale group
File   75:TGG Management Contents(R) 86-2005/Jun W2
            (c) 2005 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2005/Jun 20
            (c) 2005 The Gale Group
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Set      Items     Description
S1      4748641    ADD OR ADDS OR ADDED OR ADDING
S2      4999446    ADDITION OR ACCUMULAT? OR ASSIGN? OR TACK?()ON OR UPGRAD? -
                     OR ENLARG?
S3      8362417    ENHANC? OR IMPROV? OR INCREAS?
S4       876667    SUPPLEMENT? OR APPEND? OR INCREMENT? OR ANNEX? OR AUGMENT?
S5      7368885    ADDITIONAL? OR PLURAL? OR SEVERAL? OR MULTIP? OR MULTIT?
S6      3303640    STORAGE? OR STORE? OR STORING? OR STORAGE?()AREA?()NETWORK?
                     OR MEMOR? OR RANDOM()ACCESS? OR RAM
S7       752426    DISC? ? OR DISK? ? OR RAID OR REDUNDAN?()ARRAY?()INDEPENDE-
                     N? OR HARDDRIV? OR HARD()DRIVE?
S8        42223    S1:S5(5N)S6(5N)S7
S9         4790    S8 AND (LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL?)(3N)(C-
                     APACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT? OR -
                     LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S10        2204    S8 AND (LITTLE? OR LOWEST OR MINIMUM? OR MINIMAL? OR LESSE-
                     R? OR LESS)(3N)(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABY-
                     T? OR AMOUNT? OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPA-
                     CE?)
S11        7781    S8 AND (UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT-
                     ?)(3N)(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMO-
                     UNT? OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S12        1744    S8 AND (BIG OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?)(-
                     3N)(CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT?
                     OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?)
S13        2744    S9:S10 AND S11:S12
S14        1189    (S5 OR ARRAY?)(5N)(S7 OR STORAGE()DEVICE?) AND S13
S15        1083    (HOST? ? OR COMPUTER? ? OR DATAPROCESS? OR CENTRALPROCESS?
                     OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO)()PROCESS?) AND
                     S14
S16         922    (CPU OR CPUS OR SERVER? ? OR MICROCONTROLLER? OR PROCESSOR-
                     ?) AND S14
S17        1153    S15:S16
S18         547    S17 AND S7(10N)(HOST? ? OR COMPUTER? ? OR DATAPROCESS? OR -
                     CENTRALPROCESS? OR MICROPROCESS? OR (DATA OR CENTRAL OR MICRO-
                     )()PROCESS?)
S19         593    S17 AND S7(10N)(CPU OR CPUS OR SERVER? ? OR MICROCONTROLLE-
                     R? OR PROCESSOR?)
S20         846    S18:S19
S21          76    S20 AND (RAID OR REDUNDAN?()ARRAY?)/TI
S22          87    S17 AND (RAID OR REDUNDAN?()ARRAY?)/TI
S23          87    S21:S22
S24          72    S23 AND PY<2002
S25          61    RD (unique items)
? show files
File 239:Mathsci 1940-2005/Jul
         (c) 2005 American Mathematical Society
File 275:Gale Group Computer DB(TM) 1983-2005/Jun 21
         (c) 2005 The Gale Group
File 369:New Scientist 1994-2005/May W1
         (c) 2005 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File 484:Periodical Abs Plustext 1986-2005/Jun W2
         (c) 2005 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2004/Dec
         (c) 2005 The HW Wilson Co
File 610:Business Wire 1999-2005/Jun 21
         (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Jun 21
         (c) 2005 PR Newswire Association Inc
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Non Pat Lit

Full Text

Part II

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Set      Items     Description
S1     4225905     ADD OR ADDS OR ADDED OR ADDING OR ADDITION OR ACCUMULAT? OR
                   ASSIGN? OR TACK?()ON OR UPGRAD? OR ENLARG?
S2    10888770     ENHANC? OR IMPROV? OR INCREAS? OR SUPPLEMENT? OR APPEND? OR
                   INCREMENT? OR ANNEX? OR AUGMENT?
S3     7411412     ADDITIONAL? OR FURTHER OR PLURAL? OR SEVERAL? OR MULTIP? OR
                   MULTIT?
S4     2000334     STORAGE? OR STORE? OR STORING? OR STORAGE?()AREA?()NETWORK?
                   OR MEMOR? OR RANDOM()ACCESS? OR RAM
S5     2013321     DISC? ? OR DISK? ? OR RAID OR REDUNDAN?()ARRAY?()INDEPENDE-
                   N? OR UNIT? ? OR HARDDRIV? OR HARD()DRIVE?
S6    13010512     LOWER? OR LEAST OR BOTTOM? OR LOW OR SMALL? OR LITTLE? OR -
                   LOWEST OR MINIMUM? OR MINIMAL? OR LESSER? OR LESS
S7    16614167     UPPER? OR MOST OR TOP OR TOPMOST OR HIGH? OR GREAT? OR BIG
                   OR BIGGER OR BIGGEST OR MAXIMUM? OR MAXIMAL?
S8    11453809     CAPACIT? OR ROOM? OR BYTE? OR SIZE? OR MEGABYT? OR AMOUNT?
                   OR LIMIT? OR BOUND OR BOUNDS OR BOUNDAR? OR SPACE?
S9       11724     S1:S3(7N)S4(7N)S5
S10        162     S9 AND S6(5N)S8 AND S7(5N)S8
S11        139     S10 AND PY<2002
S12        105     RD (unique items)
? show files
File    2:INSPEC 1969-2005/Jun W2
          (c) 2005 Institution of Electrical Engineers
File    6:NTIS 1964-2005/Jun W2
          (c) 2005 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2005/Jun W2
          (c) 2005 Elsevier Eng.  Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
          (c) 2005 Inst for Sci Info
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File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
          (c) 1998 Inst for Sci Info
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Set     Items    Description
S1       606     AU=(DELAIRE B? OR DELAIRE, B? OR DUNHAM D? OR DUNHAM, D? OR
                 HOANG V? OR HOANG, V? OR HOBBS N? OR HOBBS, N? OR LORBER L? -
                 OR LORBER, L? OR TEVIS G? OR TEVIS, G?)
S2      1009     AU=(DOUGLAS D? OR DOUGLAS, D? OR MCDONALD S? OR MCDONALD, -
                 S?)
S3       367     BRIAN(2N)DELAIRE OR DUNHAM(2N)DOUG? OR HOANG(2N)VINCE? OR -
                 HOBBS(2N)NANCY OR LORBER(2N)(LOU OR LOUIE OR LOUIS) OR TEVIS(-
                 2N)GREG?
S4      1795     (DAN OR DANNY OR DANIEL)(2N)DOUGLAS OR SANDY(2N)MCDONALD
S5    8273290    STORAGE? OR STORE? OR STORING?
S6   17266295    DISC? ? OR DISK? OR DEVIC? OR UNIT? ? OR SAN OR RAID
S7      1282     S1:S4 AND S5:S6
S8       202     S7 AND S5 AND S6
S9        30     S8 AND S5(10N)S6
S10       18     S9 AND PY<2002
S11       12     RD (unique items)    <───────────
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File    9:Business & Industry(R) Jul/1994-2005/Jun 17
        (c) 2005   The Gale Group
File   13:BAMP 2005/Jun W1
        (c) 2005   The Gale Group
File   15:ABI/Inform(R) 1971-2005/Jun 17
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File   16:Gale Group PROMT(R) 1990-2005/Jun 17
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        (c) 2005 The Gale group
File   75:TGG Management Contents(R) 86-2005/Jun W1
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File   88:Gale Group Business A.R.T.S. 1976-2005/Jun 17
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File   98:General Sci Abs/Full-Text 1984-2004/Dec
        (c) 2005 The HW Wilson Co.
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        (c) 2005 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2005/Jun 17
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        (c) 1999 The Gale Group
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        (c) 2005 American Mathematical Society
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        (c) 2005 Reed Business Information Ltd.
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        (c) 1999 AAAS
File  484:Periodical Abs Plustext 1986-2005/Jun W2
        (c) 2005 ProQuest
File  553:Wilson Bus. Abs. FullText 1982-2004/Dec
        (c) 2005 The HW Wilson Co
File  610:Business Wire 1999-2005/Jun 17
        (c) 2005 Business Wire.
File  613:PR Newswire 1999-2005/Jun 17
        (c) 2005 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2005/Jun 17
        (c) 2005 The Gale Group
File  624:McGraw-Hill Publications 1985-2005/Jun 17
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φ SIGNIFICANT HITS AFTER REVIEW

Examiner Allowance Checklist

Serial Number: 09/972,462.   Assignee : IBM .

Date Allowed : 7/15/05 .   Total claims - 29 .

35 U.S.C. §101

Double Patenting

KD   Inventor/Assignee search completed

KD   Related applications/patents reviewed

     Terminal Disclaimer approved (if applicable)

Non-Statutory Subject Matter

KD   Claims reviewed for non-statutory subject matter (i.e. software not contained on a computer readable medium or process steps that can be performed without a computer)

→ Pat Salce said, since the specification doesn't define the
35 U.S.C. §102 computer readable medium, we assume that the medium is enclosed is tangible and therefore is not 101.

KD   All references cited have been reviewed for §102 compliance

35 U.S.C. §103

KD .   All references cited have been reviewed for §103 compliance

35 U.S.C. §112

First paragraph

KD   Claims and specification reviewed for new subject matter

KD   Claims enabled by the specification

Second paragraph

KD .   Claims reviewed for clarity

Search Strategy

KD .   Search strategy updated

     * Search strategy approved by search mentor (Kevin Verbrugge gave further search terms and agreed that the claims were allowable after amendments).

Patent Examiner, initial each line.

* Search Mentor initials.

Attachment D